

# Improving Energy Efficiency In Industrial Energy Systems

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Industrial energy efficiency is one of the most important means of reducing the threat of increased global warming. Research however states that despite the existence of numerous technical energy efficiency measures, its deployment is hindered by the existence of various barriers to energy efficiency. The complexity of increasing energy efficiency in manufacturing industry calls for an interdisciplinary approach to the issue. Improving energy efficiency in industrial energy systems applies an interdisciplinary perspective in examining energy efficiency in industrial energy systems, and discusses how cross-pollinating perspectives and theories from the social and engineering sciences can enhance our understanding of barriers, energy audits, energy management, policies, and programmes as they pertain to improved energy efficiency in industry. Apart from classical technical approaches from engineering sciences, Improving energy efficiency in industrial energy systems couples a sociotechnical perspective to increased energy efficiency in industry, showing that industrial energy efficiency can be expected to be shaped by social and commercial processes and built on knowledge, routines, institutions, and methods established in networks. The book can be read by researchers and policy-makers, as well as scholars and practitioners in the field. This book is extremely valuable for anyone who is designing or executing energy efficiency policies, schemes or projects aiming at SMEs. Both authors deserve the highest respect, and the combination of their expertise makes the results truly unique. - Daniel Lundqvist, programme manager at the Swedish energy agency

For anyone interested in improving energy efficiency in industry, this is a must-read. The book combines tools from social science and engineering to discuss the state of art today as well as possible development path tomorrow. This is a compelling book that I find useful both in my teaching and my research. - Kajsa Ellegrd, Professor at Linkping University, Sweden

The book Improving energy efficiency in industrial energy systems is a novel approach on how improved levels of energy efficiency can be reached in industrial energy systems by merging engineering with social sciences. It is with delight that I can recommend their book to anyone interested in the field. - Mats Sderstrm, Director Energy Systems Programme, Linkping University, Sweden

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